

PRESCRIPTIVE RESIDENTIAL ALTERATIONS THAT DO NOT REQUIRE ECC FIELD VERIFICATION



CALIFORNIA ENERGY COMMISSION

CEC-CF1R-ALT-05-E

CERTIFICATE OF COMPLIANCE

Project Name:	Enforcement Agency:
Dwelling Address:	Permit Number:
City and Zip Code:	Permit Application Date:

This compliance document is only applicable to simple alterations that do not require field verification for compliance. When field verification is required, a CF1R-ALT-01 shall first be registered with a ECC-Provider Data Registry.

Alterations to Space Conditioning Systems that are exempt from field verification requirements may use the CF1R-ALT-05 and CF2R-ALT-05 Compliance Documents. Possible exemptions from duct leakage testing include: less than 25 feet (ft) of ducts were added or replaced; or the existing duct system was insulated with asbestos; or the existing duct system was previously tested and passed by a ECC Rater. If space conditioning systems are altered and are not exempt from field verification, then a CF1R-ALT-02 must be completed and registered with a ECC Provider Data Registry.

Alterations that utilize closed cell Spray Polyurethane Foam (ccSPF) with a density of 1.5 to less than 2.5 pounds per cubic foot having an R-value greater than 5.8 per inch, or open cell Spray Polyurethane Foam (ocSPF) with a density of 0.4 to less than 1.5 pounds per cubic foot having an R-value of 3.6 per inch, shall complete and register a CF1R-ALT-01 with a ECC-Provider Data Registry.

If more than one person has responsibility for installation of the items on this certificate, each person shall prepare and sign a certificate applicable to the portion of construction for which they are responsible. Alternatively, the person with chief responsibility for construction shall prepare and sign this certificate for the entire construction. All applicable Mandatory Measures shall be met. Temporary labels shall not be removed before verification by the building inspector.

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A. General Information

Field	Field Name	Data Entry
01	Project Name	
02	Date Prepared	
03	Project Location	
04	Building Front Orientation (deg or cardinal)	
05	CA City	
06	Number of Altered Dwelling Units	
07	Zip Code	
08	Fuel Type	
09	Climate Zone	
10	Total Conditioned Floor Area (ft ²)	
11	Building Type	Single Family
12	Slab Area (ft ²)	
13	Project Scope	<p>Select as many as are applicable from the list:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Insulation (tables B, C & D) <input type="checkbox"/> Roof Replacement >50% (table E & B) <input type="checkbox"/> Space Heating System (Table J) <input type="checkbox"/> Space Cooling System (Table J) <input type="checkbox"/> Space Conditioning Duct System (Table J) <input type="checkbox"/> Water Heating (Table K) <input type="checkbox"/> Adding Fenestration/Glazing (Tables F & G) <input type="checkbox"/> Adding Fenestration/Glazing ≤16 ft² Skylight (Tables F & G) <input type="checkbox"/> Replacing Fenestration/Glazing (Tables F and H) <input type="checkbox"/> Replacing Fenestration/Glazing ≤ 75 ft² Windows (Tables F & H) <input type="checkbox"/> Replacing Fenestration/Glazing Skylight (Tables F & H) <input type="checkbox"/> Opaque Exterior Doors (Table I)

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B. Opaque Surface Details - Framed (Section 150.2(b)1)

Note:

Where insulation is installed above the roofing membrane, or above the layer used to seal the roof from water penetration, the insulation shall have a maximum water absorption of 0.3 percent by volume when tested according to American Society for Testing and Materials (ASTM) Standard C272.

Field	Field Name	Data Entry 1	Data Entry 2	Data Entry 3
01	Tag/ID			
02	Assembly Type			
03	Frame Type			
04	Frame Depth (inches)			
05	Frame Spacing (inches)			
06a	Proposed Cavity R-value			
06b	Proposed Continuous Insulation R-value			
07	Proposed U-Factor			
08	Required U-Factor from Table 150.1-A			
09	Comments			

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C. Opaque Surface Details – Nonframed

Field	Field Name	Data Entry 1	Data Entry 2	Data Entry 3
01	Tag/ID			
02	Assembly Type			
03	Assembly Materials			
04	Thickness (inches)			
05	Proposed Core Insulation R-value			
06a	Proposed Cavity R-value			
06b	Proposed Continuous Insulation R-value			
07	Proposed U-Factor			
08	Required U-Factor or R-Value			
09	Comments			

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D. Opaque Surface Details – Masonry/Mass Walls

Note:

When insulation is added to the outside of a mass wall and/or when the inside is furred and insulated, the performance data may be adjusted using Equation 4-4 in the Reference Appendices, Joint Appendix, JA4.

Field	Field Name	Data Entry 1	Data Entry 2	Data Entry 3
01	Tag/ID			
02	Above or Below Grade?			
03	Proposed Masonry/Mass Wall Type			
04	Proposed Mass Thickness (inches)			
05	Proposed Exterior Insulation - R-Value			
06	Proposed Exterior Insulation - U-Factor			
07	Proposed Interior Insulation - R-value			
08	Proposed Interior Insulation - U-Factor			
09	Required Exterior Insulation - R-value			
10	Required Exterior Insulation - U-Factor			
11	Required Interior Insulation - R-Value			
12	Required Interior Insulation - U-Factor			